

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P902088 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-MNB-LT**

Issue Date: 11/13/2024

**Test Information**

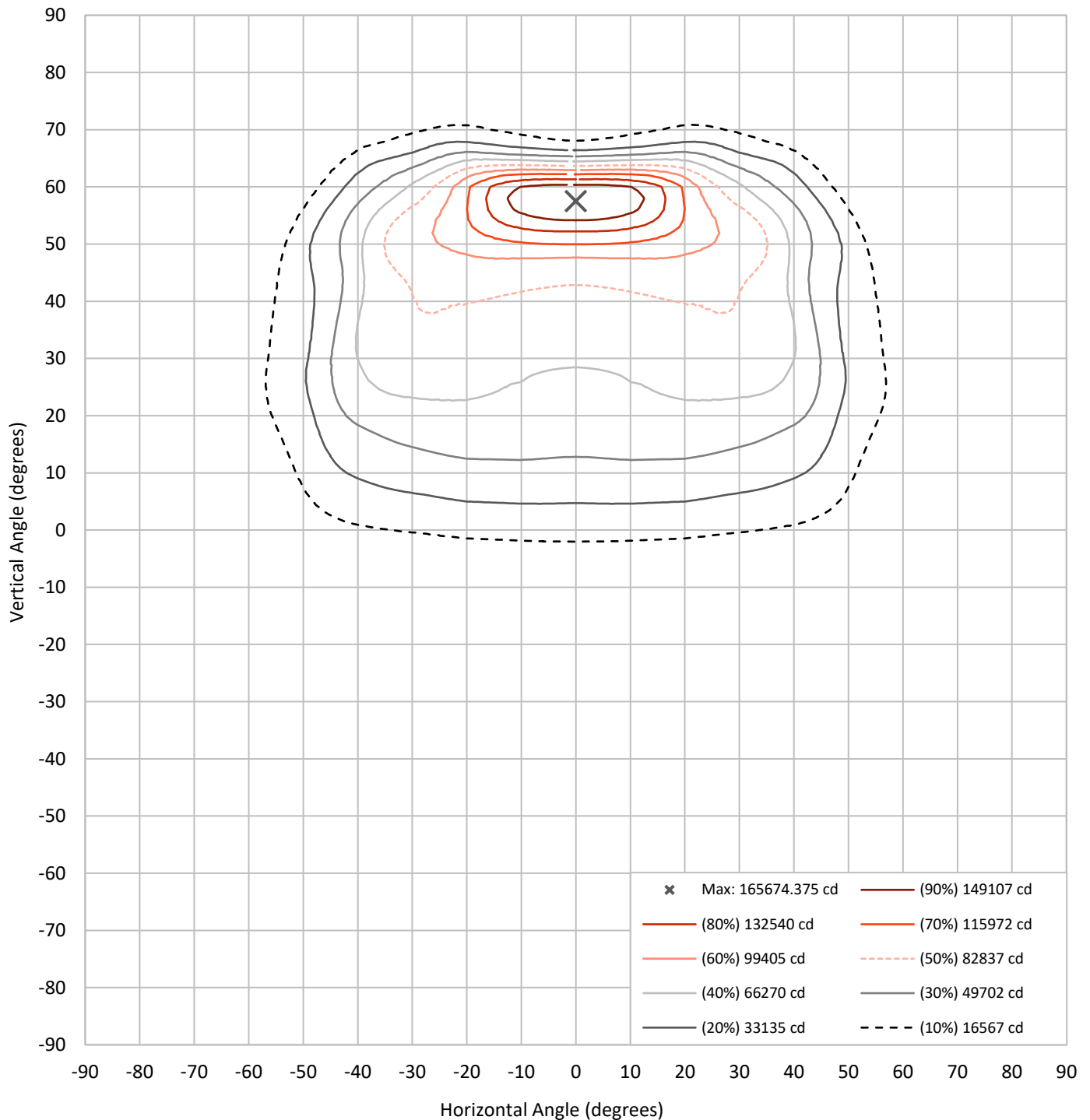
Test Method: LM-79-08  
Report Number: P902088 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2I548U1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A55-MNB-LT  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A55-MNB-LT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	138595 lumens	Max Intensity:	165674.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 57.5°V
Efficacy:	98.1 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	57.4°H x 20.8°V	Field Angle (10%):	98°H x 70.1°V
Beam Lumens:	44542.5 lumens	Field Lumens:	120702.2 lumens
Beam Efficiency:	32.1%	Field Efficiency:	87.1%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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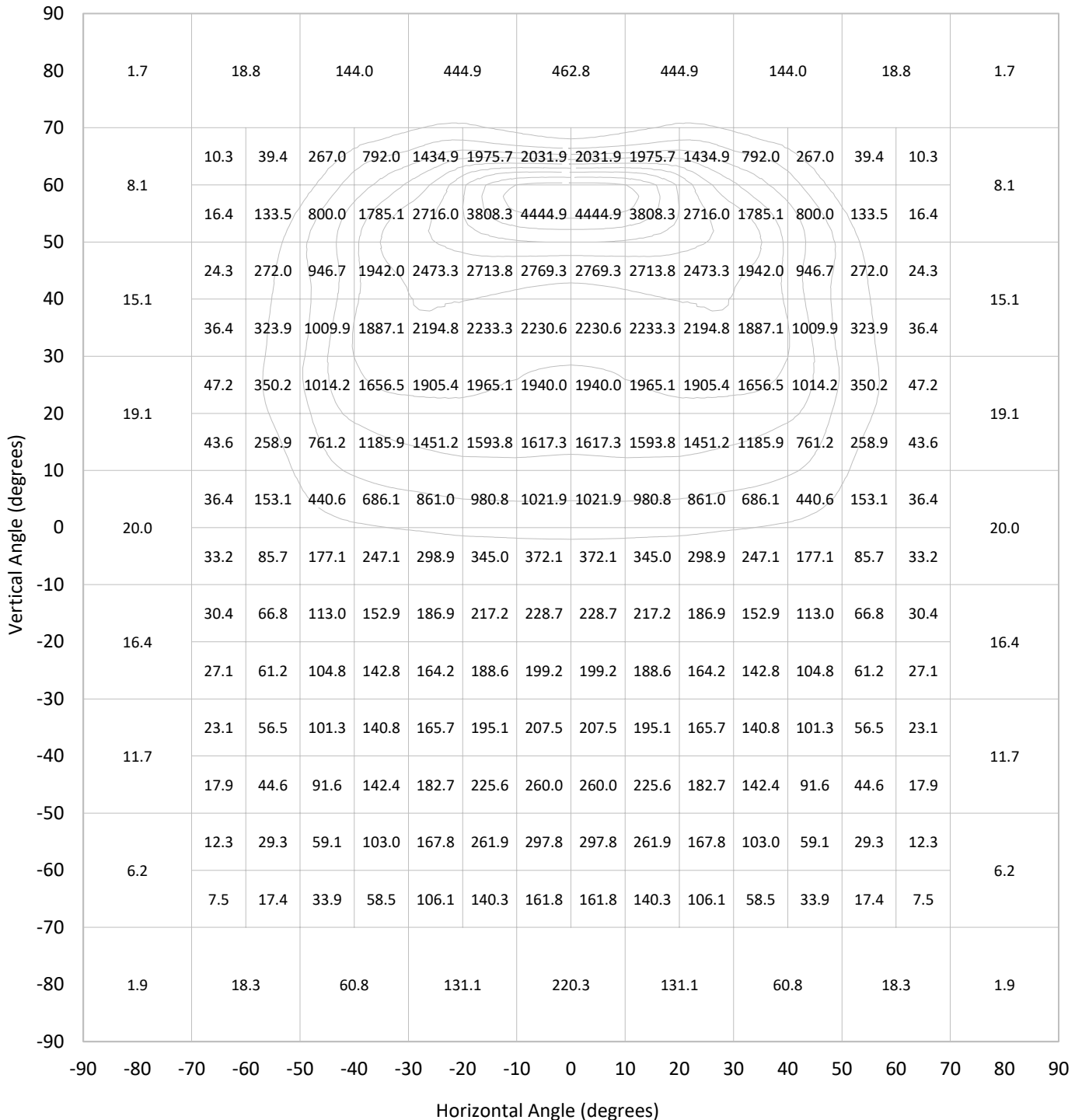
### Iso-Candela Plot





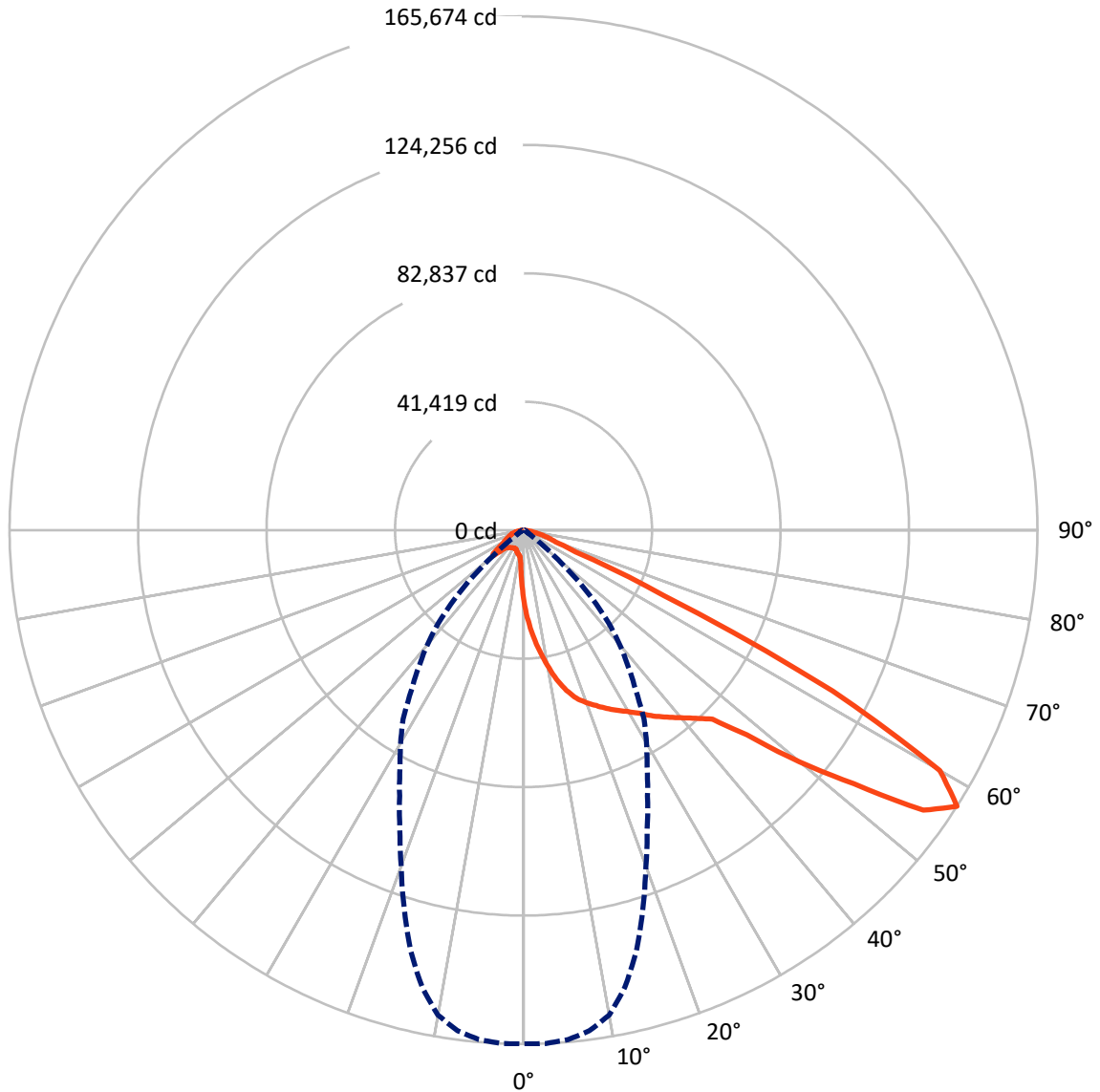
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### Lumen Table



REPORT NUMBER: P902088 (CONVERTED FROM TYPE C PHOTOMETRY)  
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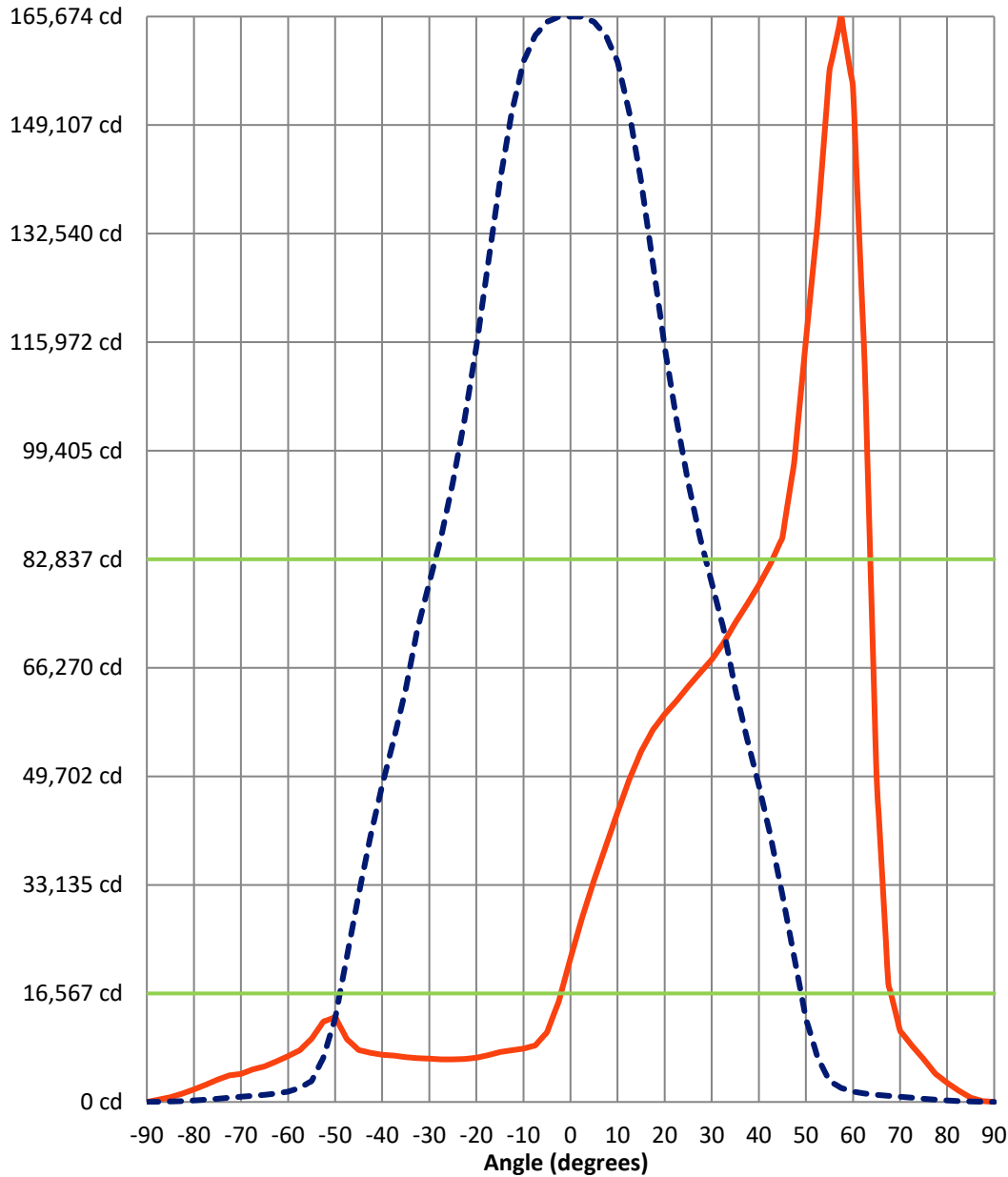
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through 57.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57.4°  
 V Angle: 20.8°  
 Lumens: 44542.5  
 Efficiency: 32.1%

**Field:**  
 H Angle: 98°  
 V Angle: 70.1°  
 Lumens: 120702.2  
 Efficiency: 87.1%

**Spill:**  
 Lumens: 17892.8  
 Efficiency: 12.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 57.5-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.9	5.9	8.9	11.8	14.8	17.7	20.5	23.3	26.1	27.0
85°	0.0	5.8	11.9	17.8	23.7	29.5	35.3	41.0	46.6	52.2	56.1
82.5°	0.0	8.6	17.8	26.7	35.5	44.2	52.9	65.8	79.0	92.3	103.8
80°	0.0	11.5	23.7	35.5	47.2	61.6	80.9	99.1	116.2	133.7	156.8
77.5°	0.0	14.3	29.5	44.2	61.0	85.6	110.0	132.3	162.1	200.8	233.2
75°	0.0	17.1	35.2	52.9	78.5	109.2	138.7	182.3	229.4	274.2	317.6
72.5°	0.0	19.9	40.9	64.2	95.6	132.2	183.1	241.5	296.4	361.5	422.1
70°	0.0	22.6	46.4	76.0	112.4	162.9	232.0	299.8	378.2	455.2	533.0
67.5°	0.0	25.3	51.9	87.6	128.7	201.7	280.1	368.1	461.1	552.5	655.8
65°	0.0	28.0	58.2	98.9	152.0	239.6	331.4	436.2	545.9	652.3	772.1
62.5°	0.0	30.6	65.1	109.8	181.1	276.5	386.1	501.9	634.1	748.7	879.6
60°	0.0	33.1	71.7	120.4	209.4	314.7	439.1	579.1	720.9	844.1	985.4
57.5°	0.0	35.6	78.1	131.3	236.9	354.1	490.1	655.5	802.7	938.0	1092.4
55°	0.0	38.1	84.3	148.9	263.4	391.6	550.1	728.1	882.0	1036.4	1197.4
52.5°	0.0	40.5	90.2	165.3	289.2	427.1	605.8	792.6	959.4	1135.6	1318.6
50°	0.0	42.8	95.8	180.4	315.3	460.5	658.2	854.4	1044.3	1236.1	1435.1
47.5°	0.0	45.0	101.1	194.2	338.8	500.3	707.4	914.2	1126.0	1335.4	1569.0
45°	0.0	47.1	106.1	206.6	358.7	536.7	754.5	976.4	1202.4	1431.8	1701.1
42.5°	0.0	49.2	110.9	217.6	376.9	569.8	799.7	1036.1	1278.7	1532.6	1830.3
40°	0.0	51.2	115.3	227.5	393.5	599.4	840.4	1088.6	1347.4	1628.4	1972.7
37.5°	0.0	53.1	119.3	236.3	408.3	625.4	874.1	1134.4	1408.2	1709.8	2099.2
35°	0.0	55.1	124.6	246.2	424.0	648.8	904.5	1176.3	1465.0	1798.1	2221.5
32.5°	0.0	57.1	129.7	255.9	438.9	669.8	932.7	1216.2	1522.3	1893.9	2348.5
30°	0.0	59.0	134.3	264.4	451.6	688.4	958.3	1252.7	1573.5	1977.2	2453.5
27.5°	0.0	60.7	138.9	271.7	464.2	704.6	982.2	1285.9	1620.2	2053.1	2541.1
25°	0.0	62.3	143.1	277.9	475.5	718.3	1003.5	1315.6	1665.6	2121.3	2659.3
22.5°	0.0	63.8	146.8	282.8	485.3	731.0	1021.9	1347.6	1713.7	2161.4	2693.1
20°	0.0	65.1	150.0	286.6	493.6	745.1	1038.7	1378.1	1750.1	2185.9	2699.1
17.5°	0.0	66.2	152.7	290.5	500.3	756.6	1060.3	1403.0	1776.9	2199.5	2683.9
15°	0.0	67.2	154.9	293.6	505.4	767.0	1081.2	1425.0	1794.1	2205.8	2675.9
12.5°	0.0	68.1	156.7	295.5	508.9	776.4	1098.3	1444.9	1809.4	2200.8	2673.7
10°	0.0	68.8	158.0	296.3	510.7	784.1	1111.4	1459.5	1823.2	2206.8	2647.1
7.5°	0.0	69.4	158.9	296.0	510.7	789.8	1120.8	1469.1	1830.4	2207.0	2628.9
5°	0.0	69.8	159.3	294.7	508.8	792.5	1126.3	1474.0	1836.5	2204.7	2598.5
2.5°	0.0	70.1	159.3	292.4	505.2	792.1	1127.7	1473.9	1838.6	2203.0	2587.1
0°	0.0	70.2	158.9	289.2	499.8	788.5	1125.0	1469.0	1834.9	2194.6	2566.7
-2.5°	0.0	70.2	158.6	288.7	496.3	777.4	1102.9	1441.7	1810.7	2182.3	2547.2
-5°	0.0	70.1	157.9	287.3	491.1	763.5	1076.9	1409.9	1780.1	2163.2	2521.3
-7.5°	0.0	69.9	156.8	285.2	484.4	747.0	1047.3	1373.4	1740.7	2129.8	2487.5
-10°	0.0	69.5	155.3	282.1	476.2	728.3	1015.3	1332.2	1688.0	2083.0	2447.3
-12.5°	0.0	68.9	153.5	278.3	466.6	708.4	983.8	1287.1	1629.4	2028.0	2400.2
-15°	0.0	68.2	151.2	273.5	456.1	687.7	949.6	1238.8	1572.5	1969.5	2346.9
-17.5°	0.0	67.4	148.6	268.0	445.4	666.2	913.3	1195.9	1520.6	1903.5	2284.0
-20°	0.0	66.5	145.6	261.6	433.3	644.3	878.0	1156.1	1464.6	1839.5	2216.9



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	65.4	142.3	254.4	419.7	621.3	848.4	1112.5	1414.0	1777.0	2146.8
-25°	0.0	64.2	138.5	246.4	404.7	600.9	818.7	1069.1	1368.1	1710.5	2080.6
-27.5°	0.0	62.8	134.5	237.7	388.2	580.6	787.6	1036.8	1324.8	1650.0	2007.2
-30°	0.0	61.4	130.1	228.3	370.7	558.9	757.2	1001.3	1278.3	1590.2	1929.7
-32.5°	0.0	59.8	125.3	218.2	354.8	535.7	730.2	962.8	1227.7	1523.8	1845.5
-35°	0.0	58.1	120.2	207.5	337.9	511.3	699.9	920.7	1172.6	1446.8	1752.0
-37.5°	0.0	56.3	115.3	197.0	321.6	486.6	668.0	877.0	1116.2	1370.2	1654.2
-40°	0.0	54.5	111.4	188.4	307.9	461.9	635.6	833.3	1055.0	1293.5	1553.3
-42.5°	0.0	52.6	107.6	179.8	292.8	435.4	600.4	785.8	990.1	1211.0	1445.8
-45°	0.0	50.5	103.6	171.4	276.5	406.9	563.0	734.6	921.8	1127.8	1347.0
-47.5°	0.0	48.3	99.5	162.5	259.0	376.6	523.7	682.9	857.8	1043.4	1247.3
-50°	0.0	46.1	95.4	153.1	240.0	344.7	486.0	632.7	789.1	954.0	1144.3
-52.5°	0.0	43.7	91.3	143.1	220.0	320.0	447.3	580.1	718.3	869.5	1037.7
-55°	0.0	41.3	87.1	132.6	204.5	295.5	407.0	525.5	653.6	785.7	926.9
-57.5°	0.0	38.7	82.8	121.6	189.9	270.0	363.2	471.4	586.9	700.2	831.3
-60°	0.0	36.1	78.5	114.6	174.8	243.5	328.8	415.2	519.4	621.0	735.8
-62.5°	0.0	33.3	74.2	107.6	159.3	220.7	294.7	358.5	454.1	540.8	646.3
-65°	0.0	30.6	69.8	100.2	143.4	201.2	260.7	323.1	388.7	471.7	558.6
-67.5°	0.0	27.7	64.5	92.5	129.1	181.2	231.4	287.9	339.5	407.3	487.5
-70°	0.0	24.8	58.0	84.4	116.3	160.7	205.5	253.3	300.4	355.4	421.4
-72.5°	0.0	21.8	51.2	76.0	102.9	140.5	179.0	222.1	261.2	311.8	367.2
-75°	0.0	18.8	44.2	67.0	88.9	120.6	152.7	190.2	224.7	268.6	319.5
-77.5°	0.0	15.7	37.1	56.0	74.5	99.9	128.3	158.1	188.0	228.6	272.3
-80°	0.0	12.6	29.9	44.9	59.8	78.8	103.7	125.9	149.0	186.9	223.9
-82.5°	0.0	9.5	22.5	33.8	44.9	58.8	78.8	93.0	108.7	141.4	166.8
-85°	0.0	6.3	15.0	22.6	30.0	39.3	52.8	61.5	70.0	95.1	106.5
-87.5°	0.0	3.2	7.5	11.3	15.0	19.7	26.5	30.8	35.0	47.8	52.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.4	31.9	34.2	41.7	48.4	51.2	53.8	56.3	62.1	66.2	68.6
85°	64.3	72.4	80.4	92.2	105.7	113.4	120.2	126.6	142.5	154.4	163.2
82.5°	114.2	126.0	138.6	157.9	183.4	202.9	222.4	240.5	265.8	292.8	331.8
80°	181.6	207.6	233.2	258.9	290.8	324.5	363.1	404.9	447.1	529.0	622.6
77.5°	264.4	300.8	342.0	386.1	432.9	473.5	581.9	672.8	766.6	975.5	1354.3
75°	368.0	415.3	463.6	567.3	710.1	857.5	993.9	1210.7	1431.6	1808.5	2366.9
72.5°	478.1	563.7	668.2	816.6	1097.9	1489.7	1878.2	2256.8	2843.8	3641.7	4485.0
70°	627.2	737.9	882.1	1128.4	1561.1	2243.2	3050.8	3915.7	4967.4	6235.2	7695.0
67.5°	771.1	914.0	1097.8	1436.1	2070.6	3057.8	4339.3	5661.5	8156.5	11705.1	14709.5
65°	905.8	1080.1	1308.9	1729.3	2701.8	4089.8	6202.3	9621.7	14712.7	22186.0	29279.5
62.5°	1034.2	1238.0	1545.1	2196.4	3472.1	5627.5	9103.2	15960.4	24642.1	33318.6	40052.9
60°	1160.1	1407.6	1821.9	2722.2	4466.7	8519.1	14702.5	23574.3	32998.7	41247.9	47476.9
57.5°	1288.5	1584.0	2146.9	3209.2	6784.7	12768.6	22176.1	31649.0	40538.9	48347.1	55451.6
55°	1428.3	1784.1	2434.4	4511.9	10129.5	19642.2	29369.8	38985.4	47221.0	55772.4	64509.2
52.5°	1570.4	1985.7	3035.6	6606.9	15226.9	25287.2	34877.3	42776.8	51252.1	60235.0	70866.7
50°	1732.7	2279.9	3789.4	9827.5	19535.6	29215.4	36797.6	44084.1	52249.4	62234.1	74035.6
47.5°	1894.2	2521.9	5357.0	12708.0	22565.2	30203.8	36599.7	43648.9	51762.7	62460.2	74467.8
45°	2077.3	3069.9	6805.4	15301.8	23015.6	29260.6	35142.7	41455.4	49870.3	61194.2	71836.0
42.5°	2247.1	3533.9	8720.2	16305.7	23109.7	28429.9	34037.5	40994.7	50451.8	61780.2	71153.1
40°	2519.0	4407.2	10087.1	17543.1	23500.8	28423.3	34177.3	41757.6	52203.2	63447.9	71727.8
37.5°	2693.5	5398.7	11490.8	18244.0	23691.3	28626.2	34748.8	43141.2	55018.5	65521.3	73026.5
35°	2989.4	6111.4	12514.6	18970.2	23750.4	28735.0	35440.8	45527.4	57326.4	67117.9	73779.1
32.5°	3415.8	7051.0	13362.7	19110.1	23739.0	29172.4	36791.7	47455.5	58880.4	67724.3	73083.8
30°	3612.1	7816.6	14283.1	19765.8	24478.5	30033.1	38566.6	49541.2	59231.4	66476.0	71780.6
27.5°	3876.0	8490.9	15124.9	20800.8	25555.2	31638.6	40357.1	49292.9	57518.6	64050.5	68917.5
25°	4273.3	9036.5	15564.7	20640.2	25265.6	31354.8	39738.9	49010.4	55337.6	61371.9	65712.3
22.5°	4365.6	9049.0	14953.6	19519.5	23608.8	29189.5	37479.0	46355.1	53171.6	57691.7	60816.5
20°	4106.8	8546.7	13716.8	17792.9	21675.0	27231.4	34866.4	43150.4	49287.6	53088.9	55287.3
17.5°	4003.4	7676.4	12243.6	16010.5	19836.0	25122.3	32428.0	39670.3	44805.0	47951.9	50179.2
15°	3843.3	6907.3	10775.9	14211.0	17960.6	23108.1	29911.8	36225.3	40722.1	43466.4	45502.1
12.5°	3701.6	6014.9	9317.2	12571.6	16226.5	21126.1	27324.7	32926.3	36918.4	39281.1	41173.0
10°	3449.3	5295.7	8077.6	11028.3	14463.3	18960.2	24494.8	29415.8	32768.7	34961.7	36752.5
7.5°	3305.1	4649.9	6873.2	9549.5	12678.0	16545.1	21269.2	25353.9	28252.5	30253.8	31895.2
5°	3145.0	4152.4	5946.2	8205.7	10846.5	13959.4	17634.2	20913.3	23335.0	25071.9	26456.5
2.5°	3077.1	3833.8	5171.9	6952.5	9045.8	11368.7	13990.7	16450.1	18334.9	19723.7	20815.8
0°	3003.2	3571.8	4514.8	5834.4	7373.3	9012.3	10762.9	12489.0	13792.1	14768.1	15450.8
-2.5°	2958.2	3450.4	4180.0	5158.9	6297.5	7437.6	8551.3	9680.6	10586.2	11191.9	11553.3
-5°	2904.9	3333.3	3905.6	4641.7	5512.7	6351.3	7072.3	7796.0	8397.8	8773.6	8926.0
-7.5°	2854.2	3245.7	3724.9	4277.5	4951.9	5601.9	6111.8	6582.3	6970.6	7220.6	7321.6
-10°	2796.0	3167.0	3602.6	4053.5	4553.3	5072.0	5479.1	5833.5	6100.1	6323.9	6464.6
-12.5°	2732.0	3094.6	3497.8	3882.4	4294.3	4694.6	5074.5	5413.1	5665.7	5892.1	6075.2
-15°	2662.3	3033.1	3418.4	3761.8	4129.7	4479.8	4836.0	5190.6	5474.1	5705.6	5871.2
-17.5°	2602.3	2965.8	3349.4	3697.4	4026.0	4362.1	4704.0	5094.2	5402.0	5652.5	5813.8
-20°	2542.5	2913.3	3285.8	3638.9	3955.5	4278.6	4620.7	5021.6	5369.7	5645.8	5797.3



REPORT NUMBER: P902088 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LT

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2487.6	2851.7	3225.6	3571.4	3892.7	4202.5	4564.3	4948.9	5343.9	5627.1	5776.8
-25°	2422.6	2770.8	3150.4	3508.1	3826.5	4136.9	4501.0	4867.3	5286.7	5559.3	5703.9
-27.5°	2349.8	2677.6	3067.6	3438.6	3760.5	4073.5	4415.5	4752.1	5125.8	5425.5	5583.8
-30°	2267.6	2584.7	2973.0	3357.9	3705.1	4015.6	4329.2	4636.1	4995.2	5329.9	5514.4
-32.5°	2177.8	2493.2	2876.1	3300.9	3674.0	4003.7	4308.8	4593.2	4902.9	5256.0	5479.8
-35°	2078.2	2397.2	2760.8	3263.6	3700.2	4040.3	4352.2	4646.4	4988.5	5305.9	5499.2
-37.5°	1965.9	2281.4	2637.2	3124.3	3651.5	4067.0	4408.6	4759.8	5149.1	5475.9	5693.9
-40°	1849.9	2155.0	2474.8	2926.4	3526.1	3997.1	4381.7	4759.1	5166.5	5587.3	5849.8
-42.5°	1730.0	2015.3	2307.4	2700.5	3232.5	3795.0	4241.1	4627.8	5032.5	5436.1	5808.4
-45°	1601.1	1867.2	2135.1	2439.2	2887.2	3403.7	3898.0	4335.6	4741.6	5116.4	5519.9
-47.5°	1460.1	1712.1	1960.8	2230.9	2561.1	2974.3	3467.5	3915.5	4311.3	4697.7	5065.7
-50°	1336.7	1555.7	1789.4	2026.9	2310.3	2632.9	3029.4	3466.6	3891.5	4293.4	4660.1
-52.5°	1212.8	1401.7	1613.3	1841.0	2085.2	2356.1	2660.3	3044.5	3459.8	3866.8	4245.0
-55°	1088.6	1253.9	1429.0	1645.4	1872.8	2106.1	2362.6	2643.2	3013.0	3384.2	3771.5
-57.5°	966.4	1111.4	1270.6	1449.6	1661.7	1884.4	2103.1	2339.2	2621.8	2945.3	3290.7
-60°	856.2	980.6	1115.1	1273.1	1453.0	1654.9	1874.2	2090.8	2314.2	2580.4	2871.4
-62.5°	751.7	860.3	976.6	1109.6	1261.8	1433.1	1612.0	1815.1	2018.2	2230.1	2463.9
-65°	657.1	749.2	853.9	960.0	1093.9	1224.3	1372.3	1533.8	1700.0	1888.5	2077.1
-67.5°	568.1	655.5	740.9	840.4	942.5	1052.2	1168.0	1294.8	1441.5	1593.8	1754.8
-70°	493.7	565.5	643.3	728.6	810.2	906.2	997.9	1100.4	1224.0	1344.9	1472.2
-72.5°	422.3	490.9	554.6	626.1	700.6	774.6	851.2	934.9	1029.2	1120.1	1209.8
-75°	367.1	419.7	470.7	528.5	593.0	652.6	715.1	785.1	857.3	928.9	1001.0
-77.5°	309.7	350.5	399.1	442.1	492.7	540.5	595.9	654.2	712.3	771.3	826.2
-80°	254.0	283.8	325.5	360.9	404.8	450.3	494.4	541.6	588.8	635.8	691.3
-82.5°	190.8	214.4	248.1	271.7	302.7	337.5	374.3	413.9	457.0	501.1	534.6
-85°	119.3	136.6	156.5	181.5	203.1	226.3	244.7	260.6	282.9	305.8	331.5
-87.5°	57.8	66.0	73.3	91.2	103.8	121.3	129.1	136.7	142.6	153.3	173.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	71.5	74.9	78.4	80.2	80.1	82.0	87.8	90.2	93.4	100.4	105.8
85°	174.2	195.8	221.5	247.2	264.1	267.3	287.8	293.8	319.4	375.5	439.5
82.5°	375.0	450.9	578.2	698.3	760.9	768.6	757.7	760.8	865.1	1055.4	1233.7
80°	786.2	1085.4	1401.4	1626.0	1720.1	1730.0	1761.8	1925.6	2171.4	2409.4	2552.5
77.5°	1855.3	2279.9	2641.8	2954.2	3159.8	3315.8	3572.7	3953.1	4271.9	4451.9	4537.2
75°	3033.5	3634.0	4253.4	4924.8	5443.7	5801.3	6195.8	6550.6	6758.0	6891.4	6976.5
72.5°	5352.0	6379.1	7566.0	8884.8	9886.5	10584.6	10948.8	10721.1	10157.4	9585.1	9171.2
70°	9720.5	11804.0	13955.0	16449.1	18475.2	19612.8	19130.0	17787.8	16116.5	14513.1	13060.2
67.5°	17890.0	21051.6	24131.2	28387.9	33125.3	35437.4	35009.9	32519.3	29027.3	25417.1	23070.7
65°	32620.0	35002.2	38978.2	44127.2	50910.0	57174.5	61145.4	61835.3	59591.5	57886.3	55990.9
62.5°	44792.2	49434.2	55618.4	62420.7	70999.1	81436.4	91962.8	100853.3	107026.5	111046.2	112976.5
60°	53330.1	60958.8	69156.8	77617.0	86871.3	98825.8	113084.2	124972.1	135592.4	143995.6	149487.3
57.5°	63046.6	72218.0	79247.6	86195.3	94561.9	104217.5	115295.6	128000.9	140477.0	150959.6	158754.1
55°	75338.2	83245.2	89520.1	94174.6	100252.5	107864.2	116138.2	125863.0	135157.9	142885.3	148398.6
52.5°	82097.8	89063.8	93733.3	97777.4	101987.7	107281.8	112259.0	118032.9	123676.2	127894.5	130811.6
50°	84610.6	90066.1	93471.2	96345.6	99598.6	102072.3	105132.8	107975.4	110253.1	112343.9	113977.0
47.5°	82766.9	87378.5	90250.6	92685.2	94613.1	96151.1	97404.7	98843.4	99345.6	99063.4	98711.3
45°	78898.9	82690.1	85202.7	87295.6	88102.3	89049.7	89782.4	89929.0	89855.8	88840.1	87831.9
42.5°	77061.2	80661.7	83231.0	84694.4	85261.1	85648.8	85822.9	85763.9	85529.0	84770.1	83982.6
40°	76925.5	80180.3	82507.7	83466.0	83612.8	83409.8	83271.3	82748.2	81926.1	81102.2	80491.2
37.5°	77662.6	80814.5	82416.2	82752.6	82676.3	81681.4	80513.2	79683.4	78691.9	77879.2	77354.2
35°	77735.8	80210.9	81163.5	80922.1	80393.1	79552.8	77845.4	76764.7	75607.1	74866.7	74326.2
32.5°	76269.6	77944.2	78570.8	77977.2	77053.4	76595.6	75264.3	73974.9	72766.7	71880.2	71308.0
30°	75024.2	75746.2	75775.4	75716.8	75112.7	74054.2	73225.1	72019.4	70830.2	69798.1	69259.2
27.5°	71803.5	72847.1	73076.1	73390.4	72634.1	72055.3	71238.2	70110.2	69685.9	67886.2	67385.3
25°	68394.6	69492.0	69620.4	70619.0	70195.0	69547.9	69008.7	68395.9	67420.0	66051.1	65638.5
22.5°	63132.5	64541.1	65158.7	65528.7	65885.1	66104.9	66005.1	65403.5	64568.9	63891.7	63231.5
20°	57472.6	59171.8	60162.8	60809.4	61644.9	62238.4	62653.8	62286.0	61738.6	61291.6	60858.6
17.5°	52364.1	54169.2	55396.1	56410.5	57475.9	58382.5	59083.8	58951.1	58699.6	58552.7	58404.8
15°	47646.6	49394.0	50685.4	51798.0	53016.3	54054.5	54779.0	54884.4	54832.6	54903.9	54806.1
12.5°	43099.8	44688.3	45884.4	46935.0	48139.5	49102.1	49836.1	50014.6	50069.2	50212.2	50278.1
10°	38481.3	39859.3	40804.0	41767.2	42832.2	43750.2	44483.4	44642.6	44712.6	44933.0	45046.5
7.5°	33454.6	34631.9	35474.5	36283.5	37333.1	38242.3	38960.6	39154.3	39248.2	39440.4	39575.0
5°	27884.7	28967.4	29713.9	30484.7	31551.0	32474.7	33231.5	33480.7	33675.4	33899.9	34076.7
2.5°	21993.9	22920.4	23612.5	24316.2	25291.0	26226.0	27092.6	27417.1	27687.7	27932.8	28161.9
0°	16231.1	16888.5	17384.5	17931.7	18733.3	19546.1	20365.6	20703.3	20965.6	21251.1	21576.1
-2.5°	11913.6	12192.6	12362.5	12562.3	12995.0	13473.6	13886.0	14081.1	14281.3	14555.2	14849.9
-5°	9006.9	9063.0	9135.7	9170.0	9389.5	9576.3	9702.2	9728.9	9815.2	9970.9	10100.9
-7.5°	7400.1	7481.8	7539.7	7717.3	7910.7	8049.5	8146.5	8239.6	8329.2	8430.0	8519.0
-10°	6603.0	6716.4	6870.5	7064.3	7288.9	7484.2	7660.9	7796.9	7922.1	8039.1	8091.7
-12.5°	6224.9	6425.2	6601.8	6799.4	7016.4	7216.1	7401.9	7569.2	7693.8	7793.7	7856.3
-15°	6006.7	6230.7	6424.8	6592.9	6766.0	6968.3	7176.1	7412.2	7562.7	7612.7	7709.9
-17.5°	5956.9	6136.2	6313.1	6396.5	6503.2	6671.4	6858.3	7015.8	7116.7	7162.3	7182.9
-20°	5907.7	6036.5	6152.2	6173.9	6210.0	6348.3	6493.0	6637.2	6733.6	6785.1	6804.1



REPORT NUMBER: P902088 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5839.0	5884.7	5939.5	5942.6	5989.8	6129.5	6274.7	6386.2	6496.4	6567.3	6606.9
-25°	5742.7	5757.7	5808.1	5821.6	5849.3	5977.5	6127.1	6262.8	6374.5	6476.6	6523.6
-27.5°	5663.5	5693.9	5735.0	5746.6	5775.9	5886.2	6035.9	6198.6	6337.8	6444.8	6506.4
-30°	5596.2	5642.1	5712.3	5759.4	5775.6	5875.1	6048.2	6221.5	6374.4	6484.8	6549.9
-32.5°	5523.4	5561.5	5657.6	5724.3	5786.5	5901.5	6106.4	6312.4	6445.5	6551.6	6613.6
-35°	5546.8	5578.6	5680.4	5775.0	5850.7	5991.3	6199.2	6420.8	6584.3	6699.1	6755.6
-37.5°	5804.4	5874.3	5948.2	6043.8	6100.4	6240.5	6439.5	6683.0	6877.7	6985.4	7036.1
-40°	6020.1	6166.2	6323.6	6413.0	6487.1	6573.3	6793.1	7036.7	7248.9	7358.3	7400.0
-42.5°	6056.0	6270.1	6427.0	6583.0	6668.3	6790.9	7050.5	7322.9	7571.4	7722.7	7749.4
-45°	5890.7	6188.8	6455.6	6602.3	6742.2	6881.1	7104.5	7396.5	7655.3	7888.7	7985.3
-47.5°	5468.0	5823.6	6108.2	6378.1	6611.5	6795.0	7066.1	7404.8	7751.6	8150.4	8491.9
-50°	5019.0	5401.1	5760.4	6076.6	6406.2	6691.1	7017.0	7507.3	8236.1	9246.7	10300.1
-52.5°	4605.2	4976.6	5378.8	5730.0	6090.6	6496.3	7206.4	8336.9	9765.1	10969.0	11783.1
-55°	4137.7	4481.6	4840.8	5247.2	5744.4	6576.0	7953.0	9324.2	10242.6	10476.2	10259.6
-57.5°	3627.8	3969.9	4346.0	4870.9	5783.2	7209.5	8489.5	8950.6	8744.1	8282.9	7863.8
-60°	3162.5	3458.1	3803.2	4498.5	5762.6	7028.8	7429.0	7086.5	6800.7	6669.9	6688.9
-62.5°	2705.3	2956.8	3303.3	4041.1	5139.8	5864.5	5714.4	5407.6	5427.5	5557.8	5719.9
-65°	2289.4	2495.8	2734.3	3102.3	3754.5	4280.5	4507.5	4630.2	4745.4	4857.7	5007.8
-67.5°	1938.4	2118.0	2305.2	2499.8	2735.8	3034.5	3330.9	3607.4	3838.0	4047.2	4272.8
-70°	1619.0	1772.5	1943.1	2110.7	2240.5	2380.8	2579.3	2832.5	3089.9	3308.6	3519.6
-72.5°	1322.6	1447.4	1576.6	1701.4	1817.1	1925.5	2035.2	2178.8	2379.6	2629.8	2924.5
-75°	1085.4	1179.2	1271.4	1357.7	1455.3	1553.3	1645.5	1732.5	1841.5	2018.1	2277.9
-77.5°	894.3	968.5	1037.7	1094.6	1168.9	1249.3	1330.0	1406.7	1495.8	1592.5	1717.0
-80°	749.0	802.4	867.5	917.4	969.3	1027.0	1090.5	1142.6	1200.1	1258.9	1350.9
-82.5°	578.1	613.4	659.0	697.3	737.1	783.3	826.8	870.5	908.6	944.7	997.7
-85°	358.1	393.6	426.0	447.1	481.2	511.2	542.0	558.8	584.7	607.0	631.9
-87.5°	182.4	197.4	212.5	218.7	228.7	241.5	252.6	273.2	281.5	289.3	314.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	111.9	122.6	129.3	142.0	129.3	122.6	111.9	105.8	100.4	93.4	90.2
85°	503.3	579.2	639.2	661.6	639.2	579.2	503.3	439.5	375.5	319.4	293.8
82.5°	1383.1	1544.2	1674.4	1715.1	1674.4	1544.2	1383.1	1233.7	1055.4	865.1	760.8
80°	2646.9	2769.7	2881.1	2926.0	2881.1	2769.7	2646.9	2552.5	2409.4	2171.4	1925.6
77.5°	4464.3	4370.9	4323.4	4323.2	4323.4	4370.9	4464.3	4537.2	4451.9	4271.9	3953.1
75°	6853.5	6663.4	6572.7	6557.6	6572.7	6663.4	6853.5	6976.5	6891.4	6758.0	6550.6
72.5°	8827.2	8633.7	8614.9	8623.5	8614.9	8633.7	8827.2	9171.2	9585.1	10157.4	10721.1
70°	11816.7	11051.0	10882.5	10894.5	10882.5	11051.0	11816.7	13060.2	14513.1	16116.5	17787.8
67.5°	21245.7	19648.0	18589.5	18190.2	18589.5	19648.0	21245.7	23070.7	25417.1	29027.3	32519.3
65°	53914.5	51985.0	50561.5	49894.1	50561.5	51985.0	53914.5	55990.9	57886.3	59591.5	61835.3
62.5°	113599.3	113613.6	113005.0	112329.5	113005.0	113613.6	113599.3	112976.5	111046.2	107026.5	100853.3
60°	152831.2	154743.7	155184.7	154890.3	155184.7	154743.7	152831.2	149487.3	143995.6	135592.4	124972.1
57.5°	162789.7	164848.2	165653.2	165674.4	165653.2	164848.2	162789.7	158754.1	150959.6	140477.0	128000.9
55°	152771.5	155651.4	157022.0	157346.9	157022.0	155651.4	152771.5	148398.6	142885.3	135157.9	125863.0
52.5°	132896.3	134060.9	134371.2	134272.5	134371.2	134060.9	132896.3	130811.6	127894.5	123676.2	118032.9
50°	115286.4	116002.6	116234.5	116213.3	116234.5	116002.6	115286.4	113977.0	112343.9	110253.1	107975.4
47.5°	98431.7	98192.6	97780.9	97559.2	97780.9	98192.6	98431.7	98711.3	99063.4	99345.6	98843.4
45°	87368.4	86878.6	86354.0	86146.3	86354.0	86878.6	87368.4	87831.9	88840.1	89855.8	89929.0
42.5°	83329.2	82790.2	82369.0	82196.0	82369.0	82790.2	83329.2	83982.6	84770.1	85529.0	85763.9
40°	79895.1	79356.8	79019.0	78901.1	79019.0	79356.8	79895.1	80491.2	81102.2	81926.1	82748.2
37.5°	76840.8	76373.2	76065.4	75955.4	76065.4	76373.2	76840.8	77354.2	77879.2	78691.9	79683.4
35°	73845.4	73437.9	73215.1	73143.9	73215.1	73437.9	73845.4	74326.2	74866.7	75607.1	76764.7
32.5°	70899.4	70459.8	70193.1	70058.1	70193.1	70459.8	70899.4	71308.0	71880.2	72766.7	73974.9
30°	68466.8	67964.5	67661.0	67521.5	67661.0	67964.5	68466.8	69259.2	69798.1	70830.2	72019.4
27.5°	66380.4	65891.3	65610.5	65487.2	65610.5	65891.3	66380.4	67385.3	67886.2	69685.9	70110.2
25°	64356.2	63826.7	63529.9	63416.9	63529.9	63826.7	64356.2	65638.5	66051.1	67420.0	68395.9
22.5°	62551.8	61716.9	61312.8	61202.0	61312.8	61716.9	62551.8	63231.5	63891.7	64568.9	65403.5
20°	60234.4	59677.6	59292.0	59187.2	59292.0	59677.6	60234.4	60858.6	61291.6	61738.6	62286.0
17.5°	57831.0	57345.2	56966.9	56799.0	56966.9	57345.2	57831.0	58404.8	58552.7	58699.6	58951.1
15°	54419.7	54046.1	53684.5	53503.4	53684.5	54046.1	54419.7	54806.1	54903.9	54832.6	54884.4
12.5°	50054.6	49701.8	49382.5	49251.4	49382.5	49701.8	50054.6	50278.1	50212.2	50069.2	50014.6
10°	44911.6	44615.5	44359.3	44251.6	44359.3	44615.5	44911.6	45046.5	44933.0	44712.6	44642.6
7.5°	39528.5	39343.6	39123.3	39047.8	39123.3	39343.6	39528.5	39575.0	39440.4	39248.2	39154.3
5°	34122.4	34048.6	33916.3	33851.0	33916.3	34048.6	34122.4	34076.7	33899.9	33675.4	33480.7
2.5°	28307.1	28362.1	28289.9	28202.7	28289.9	28362.1	28307.1	28161.9	27932.8	27687.7	27417.1
0°	21809.6	21925.0	21950.7	21949.2	21950.7	21925.0	21809.6	21576.1	21251.1	20965.6	20703.3
-2.5°	15086.6	15192.7	15209.6	15350.4	15209.6	15192.7	15086.6	14849.9	14555.2	14281.3	14081.1
-5°	10239.6	10411.8	10484.0	10643.6	10484.0	10411.8	10239.6	10100.9	9970.9	9815.2	9728.9
-7.5°	8545.1	8624.4	8557.6	8633.1	8557.6	8624.4	8545.1	8519.0	8430.0	8329.2	8239.6
-10°	8173.2	8168.8	8201.4	8145.9	8201.4	8168.8	8173.2	8091.7	8039.1	7922.1	7796.9
-12.5°	7918.5	7904.6	7883.9	7892.3	7883.9	7904.6	7918.5	7856.3	7793.7	7693.8	7569.2
-15°	7677.0	7645.1	7618.8	7619.5	7618.8	7645.1	7677.0	7709.9	7612.7	7562.7	7412.2
-17.5°	7189.7	7162.6	7142.2	7146.1	7142.2	7162.6	7189.7	7182.9	7162.3	7116.7	7015.8
-20°	6800.2	6761.2	6745.3	6753.3	6745.3	6761.2	6800.2	6804.1	6785.1	6733.6	6637.2



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6620.0	6587.2	6566.6	6559.7	6566.6	6587.2	6620.0	6606.9	6567.3	6496.4	6386.2
-25°	6550.1	6521.6	6505.8	6504.9	6505.8	6521.6	6550.1	6523.6	6476.6	6374.5	6262.8
-27.5°	6505.3	6483.3	6493.0	6502.8	6493.0	6483.3	6505.3	6506.4	6444.8	6337.8	6198.6
-30°	6577.4	6568.3	6596.9	6613.6	6596.9	6568.3	6577.4	6549.9	6484.8	6374.4	6221.5
-32.5°	6620.0	6619.0	6656.4	6687.1	6656.4	6619.0	6620.0	6613.6	6551.6	6445.5	6312.4
-35°	6766.8	6761.3	6798.0	6843.5	6798.0	6761.3	6766.8	6755.6	6699.1	6584.3	6420.8
-37.5°	7026.4	7027.5	7041.3	7079.0	7041.3	7027.5	7026.4	7036.1	6985.4	6877.7	6683.0
-40°	7356.6	7260.2	7201.4	7208.4	7201.4	7260.2	7356.6	7400.0	7358.3	7248.9	7036.7
-42.5°	7712.9	7619.1	7536.5	7503.8	7536.5	7619.1	7712.9	7749.4	7722.7	7571.4	7322.9
-45°	8016.5	7979.8	7938.8	7936.3	7938.8	7979.8	8016.5	7985.3	7888.7	7655.3	7396.5
-47.5°	8747.9	9159.0	9451.6	9595.8	9451.6	9159.0	8747.9	8491.9	8150.4	7751.6	7404.8
-50°	11346.0	12153.7	12707.4	12947.4	12707.4	12153.7	11346.0	10300.1	9246.7	8236.1	7507.3
-52.5°	12175.0	12274.0	12258.8	12246.9	12258.8	12274.0	12175.0	11783.1	10969.0	9765.1	8336.9
-55°	10017.7	9789.7	9677.4	9659.3	9677.4	9789.7	10017.7	10259.6	10476.2	10242.6	9324.2
-57.5°	7791.9	7831.8	7867.2	7901.9	7867.2	7831.8	7791.9	7863.8	8282.9	8744.1	8950.6
-60°	6812.1	6916.8	6978.9	6999.7	6978.9	6916.8	6812.1	6688.9	6669.9	6800.7	7086.5
-62.5°	5883.9	6022.0	6133.0	6186.0	6133.0	6022.0	5883.9	5719.9	5557.8	5427.5	5407.6
-65°	5165.3	5291.9	5388.1	5432.4	5388.1	5291.9	5165.3	5007.8	4857.7	4745.4	4630.2
-67.5°	4492.6	4690.8	4874.4	4972.4	4874.4	4690.8	4492.6	4272.8	4047.2	3838.0	3607.4
-70°	3739.5	3976.9	4189.4	4286.8	4189.4	3976.9	3739.5	3519.6	3308.6	3089.9	2832.5
-72.5°	3261.4	3584.6	3879.3	4053.3	3879.3	3584.6	3261.4	2924.5	2629.8	2379.6	2178.8
-75°	2596.3	2888.5	3171.7	3401.1	3171.7	2888.5	2596.3	2277.9	2018.1	1841.5	1732.5
-77.5°	1969.5	2268.0	2495.7	2631.0	2495.7	2268.0	1969.5	1717.0	1592.5	1495.8	1406.7
-80°	1535.8	1766.4	1896.5	1919.2	1896.5	1766.4	1535.8	1350.9	1258.9	1200.1	1142.6
-82.5°	1074.3	1190.0	1254.5	1268.0	1254.5	1190.0	1074.3	997.7	944.7	908.6	870.5
-85°	653.1	694.8	721.6	729.1	721.6	694.8	653.1	631.9	607.0	584.7	558.8
-87.5°	322.2	345.1	357.1	360.7	357.1	345.1	322.2	314.3	289.3	281.5	273.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	87.8	82.0	80.1	80.2	78.4	74.9	71.5	68.6	66.2	62.1	56.3
85°	287.8	267.3	264.1	247.2	221.5	195.8	174.2	163.2	154.4	142.5	126.6
82.5°	757.7	768.6	760.9	698.3	578.2	450.9	375.0	331.8	292.8	265.8	240.5
80°	1761.8	1730.0	1720.1	1626.0	1401.4	1085.4	786.2	622.6	529.0	447.1	404.9
77.5°	3572.7	3315.8	3159.8	2954.2	2641.8	2279.9	1855.3	1354.3	975.5	766.6	672.8
75°	6195.8	5801.3	5443.7	4924.8	4253.4	3634.0	3033.5	2366.9	1808.5	1431.6	1210.7
72.5°	10948.8	10584.6	9886.5	8884.8	7566.0	6379.1	5352.0	4485.0	3641.7	2843.8	2256.8
70°	19130.0	19612.8	18475.2	16449.1	13955.0	11804.0	9720.5	7695.0	6235.2	4967.4	3915.7
67.5°	35009.9	35437.4	33125.3	28387.9	24131.2	21051.6	17890.0	14709.5	11705.1	8156.5	5661.5
65°	61145.4	57174.5	50910.0	44127.2	38978.2	35002.2	32620.0	29279.5	22186.0	14712.7	9621.7
62.5°	91962.8	81436.4	70999.1	62420.7	55618.4	49434.2	44792.2	40052.9	33318.6	24642.1	15960.4
60°	113084.2	98825.8	86871.3	77617.0	69156.8	60958.8	53330.1	47476.9	41247.9	32998.7	23574.3
57.5°	115295.6	104217.5	94561.9	86195.3	79247.6	72218.0	63046.6	55451.6	48347.1	40538.9	31649.0
55°	116138.2	107864.2	100252.5	94174.6	89520.1	83245.2	75338.2	64509.2	55772.4	47221.0	38985.4
52.5°	112259.0	107281.8	101987.7	97777.4	93733.3	89063.8	82097.8	70866.7	60235.0	51252.1	42776.8
50°	105132.8	102072.3	99598.6	96345.6	93471.2	90066.1	84610.6	74035.6	62234.1	52249.4	44084.1
47.5°	97404.7	96151.1	94613.1	92685.2	90250.6	87378.5	82766.9	74467.8	62460.2	51762.7	43648.9
45°	89782.4	89049.7	88102.3	87295.6	85202.7	82690.1	78898.9	71836.0	61194.2	49870.3	41455.4
42.5°	85822.9	85648.8	85261.1	84694.4	83231.0	80661.7	77061.2	71153.1	61780.2	50451.8	40994.7
40°	83271.3	83409.8	83612.8	83466.0	82507.7	80180.3	76925.5	71727.8	63447.9	52203.2	41757.6
37.5°	80513.2	81681.4	82676.3	82752.6	82416.2	80814.5	77662.6	73026.5	65521.3	55018.5	43141.2
35°	77845.4	79552.8	80393.1	80922.1	81163.5	80210.9	77735.8	73779.1	67117.9	57326.4	45527.4
32.5°	75264.3	76595.6	77053.4	77977.2	78570.8	77944.2	76269.6	73083.8	67724.3	58880.4	47455.5
30°	73225.1	74054.2	75112.7	75716.8	75775.4	75746.2	75024.2	71780.6	66476.0	59231.4	49541.2
27.5°	71238.2	72055.3	72634.1	73390.4	73076.1	72847.1	71803.5	68917.5	64050.5	57518.6	49292.9
25°	69008.7	69547.9	70195.0	70619.0	69620.4	69492.0	68394.6	65712.3	61371.9	55337.6	49010.4
22.5°	66005.1	66104.9	65885.1	65528.7	65158.7	64541.1	63132.5	60816.5	57691.7	53171.6	46355.1
20°	62653.8	62238.4	61644.9	60809.4	60162.8	59171.8	57472.6	55287.3	53088.9	49287.6	43150.4
17.5°	59083.8	58382.5	57475.9	56410.5	55396.1	54169.2	52364.1	50179.2	47951.9	44805.0	39670.3
15°	54779.0	54054.5	53016.3	51798.0	50685.4	49394.0	47646.6	45502.1	43466.4	40722.1	36225.3
12.5°	49836.1	49102.1	48139.5	46935.0	45884.4	44688.3	43099.8	41173.0	39281.1	36918.4	32926.3
10°	44483.4	43750.2	42832.2	41767.2	40804.0	39859.3	38481.3	36752.5	34961.7	32768.7	29415.8
7.5°	38960.6	38242.3	37333.1	36283.5	35474.5	34631.9	33454.6	31895.2	30253.8	28252.5	25353.9
5°	33231.5	32474.7	31551.0	30484.7	29713.9	28967.4	27884.7	26456.5	25071.9	23335.0	20913.3
2.5°	27092.6	26226.0	25291.0	24316.2	23612.5	22920.4	21993.9	20815.8	19723.7	18334.9	16450.1
0°	20365.6	19546.1	18733.3	17931.7	17384.5	16888.5	16231.1	15450.8	14768.1	13792.1	12489.0
-2.5°	13886.0	13473.6	12995.0	12562.3	12362.5	12192.6	11913.6	11553.3	11191.9	10586.2	9680.6
-5°	9702.2	9576.3	9389.5	9170.0	9135.7	9063.0	9006.9	8926.0	8773.6	8397.8	7796.0
-7.5°	8146.5	8049.5	7910.7	7717.3	7539.7	7481.8	7400.1	7321.6	7220.6	6970.6	6582.3
-10°	7660.9	7484.2	7288.9	7064.3	6870.5	6716.4	6603.0	6464.6	6323.9	6100.1	5833.5
-12.5°	7401.9	7216.1	7016.4	6799.4	6601.8	6425.2	6224.9	6075.2	5892.1	5665.7	5413.1
-15°	7176.1	6968.3	6766.0	6592.9	6424.8	6230.7	6006.7	5871.2	5705.6	5474.1	5190.6
-17.5°	6858.3	6671.4	6503.2	6396.5	6313.1	6136.2	5956.9	5813.8	5652.5	5402.0	5094.2
-20°	6493.0	6348.3	6210.0	6173.9	6152.2	6036.5	5907.7	5797.3	5645.8	5369.7	5021.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6274.7	6129.5	5989.8	5942.6	5939.5	5884.7	5839.0	5776.8	5627.1	5343.9	4948.9
-25°	6127.1	5977.5	5849.3	5821.6	5808.1	5757.7	5742.7	5703.9	5559.3	5286.7	4867.3
-27.5°	6035.9	5886.2	5775.9	5746.6	5735.0	5693.9	5663.5	5583.8	5425.5	5125.8	4752.1
-30°	6048.2	5875.1	5775.6	5759.4	5712.3	5642.1	5596.2	5514.4	5329.9	4995.2	4636.1
-32.5°	6106.4	5901.5	5786.5	5724.3	5657.6	5561.5	5523.4	5479.8	5256.0	4902.9	4593.2
-35°	6199.2	5991.3	5850.7	5775.0	5680.4	5578.6	5546.8	5499.2	5305.9	4988.5	4646.4
-37.5°	6439.5	6240.5	6100.4	6043.8	5948.2	5874.3	5804.4	5693.9	5475.9	5149.1	4759.8
-40°	6793.1	6573.3	6487.1	6413.0	6323.6	6166.2	6020.1	5849.8	5587.3	5166.5	4759.1
-42.5°	7050.5	6790.9	6668.3	6583.0	6427.0	6270.1	6056.0	5808.4	5436.1	5032.5	4627.8
-45°	7104.5	6881.1	6742.2	6602.3	6455.6	6188.8	5890.7	5519.9	5116.4	4741.6	4335.6
-47.5°	7066.1	6795.0	6611.5	6378.1	6108.2	5823.6	5468.0	5065.7	4697.7	4311.3	3915.5
-50°	7017.0	6691.1	6406.2	6076.6	5760.4	5401.1	5019.0	4660.1	4293.4	3891.5	3466.6
-52.5°	7206.4	6496.3	6090.6	5730.0	5378.8	4976.6	4605.2	4245.0	3866.8	3459.8	3044.5
-55°	7953.0	6576.0	5744.4	5247.2	4840.8	4481.6	4137.7	3771.5	3384.2	3013.0	2643.2
-57.5°	8489.5	7209.5	5783.2	4870.9	4346.0	3969.9	3627.8	3290.7	2945.3	2621.8	2339.2
-60°	7429.0	7028.8	5762.6	4498.5	3803.2	3458.1	3162.5	2871.4	2580.4	2314.2	2090.8
-62.5°	5714.4	5864.5	5139.8	4041.1	3303.3	2956.8	2705.3	2463.9	2230.1	2018.2	1815.1
-65°	4507.5	4280.5	3754.5	3102.3	2734.3	2495.8	2289.4	2077.1	1888.5	1700.0	1533.8
-67.5°	3330.9	3034.5	2735.8	2499.8	2305.2	2118.0	1938.4	1754.8	1593.8	1441.5	1294.8
-70°	2579.3	2380.8	2240.5	2110.7	1943.1	1772.5	1619.0	1472.2	1344.9	1224.0	1100.4
-72.5°	2035.2	1925.5	1817.1	1701.4	1576.6	1447.4	1322.6	1209.8	1120.1	1029.2	934.9
-75°	1645.5	1553.3	1455.3	1357.7	1271.4	1179.2	1085.4	1001.0	928.9	857.3	785.1
-77.5°	1330.0	1249.3	1168.9	1094.6	1037.7	968.5	894.3	826.2	771.3	712.3	654.2
-80°	1090.5	1027.0	969.3	917.4	867.5	802.4	749.0	691.3	635.8	588.8	541.6
-82.5°	826.8	783.3	737.1	697.3	659.0	613.4	578.1	534.6	501.1	457.0	413.9
-85°	542.0	511.2	481.2	447.1	426.0	393.6	358.1	331.5	305.8	282.9	260.6
-87.5°	252.6	241.5	228.7	218.7	212.5	197.4	182.4	173.1	153.3	142.6	136.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.8	51.2	48.4	41.7	34.2	31.9	29.4	27.0	26.1	23.3	20.5
85°	120.2	113.4	105.7	92.2	80.4	72.4	64.3	56.1	52.2	46.6	41.0
82.5°	222.4	202.9	183.4	157.9	138.6	126.0	114.2	103.8	92.3	79.0	65.8
80°	363.1	324.5	290.8	258.9	233.2	207.6	181.6	156.8	133.7	116.2	99.1
77.5°	581.9	473.5	432.9	386.1	342.0	300.8	264.4	233.2	200.8	162.1	132.3
75°	993.9	857.5	710.1	567.3	463.6	415.3	368.0	317.6	274.2	229.4	182.3
72.5°	1878.2	1489.7	1097.9	816.6	668.2	563.7	478.1	422.1	361.5	296.4	241.5
70°	3050.8	2243.2	1561.1	1128.4	882.1	737.9	627.2	533.0	455.2	378.2	299.8
67.5°	4339.3	3057.8	2070.6	1436.1	1097.8	914.0	771.1	655.8	552.5	461.1	368.1
65°	6202.3	4089.8	2701.8	1729.3	1308.9	1080.1	905.8	772.1	652.3	545.9	436.2
62.5°	9103.2	5627.5	3472.1	2196.4	1545.1	1238.0	1034.2	879.6	748.7	634.1	501.9
60°	14702.5	8519.1	4466.7	2722.2	1821.9	1407.6	1160.1	985.4	844.1	720.9	579.1
57.5°	22176.1	12768.6	6784.7	3209.2	2146.9	1584.0	1288.5	1092.4	938.0	802.7	655.5
55°	29369.8	19642.2	10129.5	4511.9	2434.4	1784.1	1428.3	1197.4	1036.4	882.0	728.1
52.5°	34877.3	25287.2	15226.9	6606.9	3035.6	1985.7	1570.4	1318.6	1135.6	959.4	792.6
50°	36797.6	29215.4	19535.6	9827.5	3789.4	2279.9	1732.7	1435.1	1236.1	1044.3	854.4
47.5°	36599.7	30203.8	22565.2	12708.0	5357.0	2521.9	1894.2	1569.0	1335.4	1126.0	914.2
45°	35142.7	29260.6	23015.6	15301.8	6805.4	3069.9	2077.3	1701.1	1431.8	1202.4	976.4
42.5°	34037.5	28429.9	23109.7	16305.7	8720.2	3533.9	2247.1	1830.3	1532.6	1278.7	1036.1
40°	34177.3	28423.3	23500.8	17543.1	10087.1	4407.2	2519.0	1972.7	1628.4	1347.4	1088.6
37.5°	34748.8	28626.2	23691.3	18244.0	11490.8	5398.7	2693.5	2099.2	1709.8	1408.2	1134.4
35°	35440.8	28735.0	23750.4	18970.2	12514.6	6111.4	2989.4	2221.5	1798.1	1465.0	1176.3
32.5°	36791.7	29172.4	23739.0	19110.1	13362.7	7051.0	3415.8	2348.5	1893.9	1522.3	1216.2
30°	38566.6	30033.1	24478.5	19765.8	14283.1	7816.6	3612.1	2453.5	1977.2	1573.5	1252.7
27.5°	40357.1	31638.6	25555.2	20800.8	15124.9	8490.9	3876.0	2541.1	2053.1	1620.2	1285.9
25°	39738.9	31354.8	25265.6	20640.2	15564.7	9036.5	4273.3	2659.3	2121.3	1665.6	1315.6
22.5°	37479.0	29189.5	23608.8	19519.5	14953.6	9049.0	4365.6	2693.1	2161.4	1713.7	1347.6
20°	34866.4	27231.4	21675.0	17792.9	13716.8	8546.7	4106.8	2699.1	2185.9	1750.1	1378.1
17.5°	32428.0	25122.3	19836.0	16010.5	12243.6	7676.4	4003.4	2683.9	2199.5	1776.9	1403.0
15°	29911.8	23108.1	17960.6	14211.0	10775.9	6907.3	3843.3	2675.9	2205.8	1794.1	1425.0
12.5°	27324.7	21126.1	16226.5	12571.6	9317.2	6014.9	3701.6	2673.7	2200.8	1809.4	1444.9
10°	24494.8	18960.2	14463.3	11028.3	8077.6	5295.7	3449.3	2647.1	2206.8	1823.2	1459.5
7.5°	21269.2	16545.1	12678.0	9549.5	6873.2	4649.9	3305.1	2628.9	2207.0	1830.4	1469.1
5°	17634.2	13959.4	10846.5	8205.7	5946.2	4152.4	3145.0	2598.5	2204.7	1836.5	1474.0
2.5°	13990.7	11368.7	9045.8	6952.5	5171.9	3833.8	3077.1	2587.1	2203.0	1838.6	1473.9
0°	10762.9	9012.3	7373.3	5834.4	4514.8	3571.8	3003.2	2566.7	2194.6	1834.9	1469.0
-2.5°	8551.3	7437.6	6297.5	5158.9	4180.0	3450.4	2958.2	2547.2	2182.3	1810.7	1441.7
-5°	7072.3	6351.3	5512.7	4641.7	3905.6	3333.3	2904.9	2521.3	2163.2	1780.1	1409.9
-7.5°	6111.8	5601.9	4951.9	4277.5	3724.9	3245.7	2854.2	2487.5	2129.8	1740.7	1373.4
-10°	5479.1	5072.0	4553.3	4053.5	3602.6	3167.0	2796.0	2447.3	2083.0	1688.0	1332.2
-12.5°	5074.5	4694.6	4294.3	3882.4	3497.8	3094.6	2732.0	2400.2	2028.0	1629.4	1287.1
-15°	4836.0	4479.8	4129.7	3761.8	3418.4	3033.1	2662.3	2346.9	1969.5	1572.5	1238.8
-17.5°	4704.0	4362.1	4026.0	3697.4	3349.4	2965.8	2602.3	2284.0	1903.5	1520.6	1195.9
-20°	4620.7	4278.6	3955.5	3638.9	3285.8	2913.3	2542.5	2216.9	1839.5	1464.6	1156.1



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4564.3	4202.5	3892.7	3571.4	3225.6	2851.7	2487.6	2146.8	1777.0	1414.0	1112.5
-25°	4501.0	4136.9	3826.5	3508.1	3150.4	2770.8	2422.6	2080.6	1710.5	1368.1	1069.1
-27.5°	4415.5	4073.5	3760.5	3438.6	3067.6	2677.6	2349.8	2007.2	1650.0	1324.8	1036.8
-30°	4329.2	4015.6	3705.1	3357.9	2973.0	2584.7	2267.6	1929.7	1590.2	1278.3	1001.3
-32.5°	4308.8	4003.7	3674.0	3300.9	2876.1	2493.2	2177.8	1845.5	1523.8	1227.7	962.8
-35°	4352.2	4040.3	3700.2	3263.6	2760.8	2397.2	2078.2	1752.0	1446.8	1172.6	920.7
-37.5°	4408.6	4067.0	3651.5	3124.3	2637.2	2281.4	1965.9	1654.2	1370.2	1116.2	877.0
-40°	4381.7	3997.1	3526.1	2926.4	2474.8	2155.0	1849.9	1553.3	1293.5	1055.0	833.3
-42.5°	4241.1	3795.0	3232.5	2700.5	2307.4	2015.3	1730.0	1445.8	1211.0	990.1	785.8
-45°	3898.0	3403.7	2887.2	2439.2	2135.1	1867.2	1601.1	1347.0	1127.8	921.8	734.6
-47.5°	3467.5	2974.3	2561.1	2230.9	1960.8	1712.1	1460.1	1247.3	1043.4	857.8	682.9
-50°	3029.4	2632.9	2310.3	2026.9	1789.4	1555.7	1336.7	1144.3	954.0	789.1	632.7
-52.5°	2660.3	2356.1	2085.2	1841.0	1613.3	1401.7	1212.8	1037.7	869.5	718.3	580.1
-55°	2362.6	2106.1	1872.8	1645.4	1429.0	1253.9	1088.6	926.9	785.7	653.6	525.5
-57.5°	2103.1	1884.4	1661.7	1449.6	1270.6	1111.4	966.4	831.3	700.2	586.9	471.4
-60°	1874.2	1654.9	1453.0	1273.1	1115.1	980.6	856.2	735.8	621.0	519.4	415.2
-62.5°	1612.0	1433.1	1261.8	1109.6	976.6	860.3	751.7	646.3	540.8	454.1	358.5
-65°	1372.3	1224.3	1093.9	960.0	853.9	749.2	657.1	558.6	471.7	388.7	323.1
-67.5°	1168.0	1052.2	942.5	840.4	740.9	655.5	568.1	487.5	407.3	339.5	287.9
-70°	997.9	906.2	810.2	728.6	643.3	565.5	493.7	421.4	355.4	300.4	253.3
-72.5°	851.2	774.6	700.6	626.1	554.6	490.9	422.3	367.2	311.8	261.2	222.1
-75°	715.1	652.6	593.0	528.5	470.7	419.7	367.1	319.5	268.6	224.7	190.2
-77.5°	595.9	540.5	492.7	442.1	399.1	350.5	309.7	272.3	228.6	188.0	158.1
-80°	494.4	450.3	404.8	360.9	325.5	283.8	254.0	223.9	186.9	149.0	125.9
-82.5°	374.3	337.5	302.7	271.7	248.1	214.4	190.8	166.8	141.4	108.7	93.0
-85°	244.7	226.3	203.1	181.5	156.5	136.6	119.3	106.5	95.1	70.0	61.5
-87.5°	129.1	121.3	103.8	91.2	73.3	66.0	57.8	52.9	47.8	35.0	30.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.7	14.8	11.8	8.9	5.9	2.9	0.0
85°	35.3	29.5	23.7	17.8	11.9	5.8	0.0
82.5°	52.9	44.2	35.5	26.7	17.8	8.6	0.0
80°	80.9	61.6	47.2	35.5	23.7	11.5	0.0
77.5°	110.0	85.6	61.0	44.2	29.5	14.3	0.0
75°	138.7	109.2	78.5	52.9	35.2	17.1	0.0
72.5°	183.1	132.2	95.6	64.2	40.9	19.9	0.0
70°	232.0	162.9	112.4	76.0	46.4	22.6	0.0
67.5°	280.1	201.7	128.7	87.6	51.9	25.3	0.0
65°	331.4	239.6	152.0	98.9	58.2	28.0	0.0
62.5°	386.1	276.5	181.1	109.8	65.1	30.6	0.0
60°	439.1	314.7	209.4	120.4	71.7	33.1	0.0
57.5°	490.1	354.1	236.9	131.3	78.1	35.6	0.0
55°	550.1	391.6	263.4	148.9	84.3	38.1	0.0
52.5°	605.8	427.1	289.2	165.3	90.2	40.5	0.0
50°	658.2	460.5	315.3	180.4	95.8	42.8	0.0
47.5°	707.4	500.3	338.8	194.2	101.1	45.0	0.0
45°	754.5	536.7	358.7	206.6	106.1	47.1	0.0
42.5°	799.7	569.8	376.9	217.6	110.9	49.2	0.0
40°	840.4	599.4	393.5	227.5	115.3	51.2	0.0
37.5°	874.1	625.4	408.3	236.3	119.3	53.1	0.0
35°	904.5	648.8	424.0	246.2	124.6	55.1	0.0
32.5°	932.7	669.8	438.9	255.9	129.7	57.1	0.0
30°	958.3	688.4	451.6	264.4	134.3	59.0	0.0
27.5°	982.2	704.6	464.2	271.7	138.9	60.7	0.0
25°	1003.5	718.3	475.5	277.9	143.1	62.3	0.0
22.5°	1021.9	731.0	485.3	282.8	146.8	63.8	0.0
20°	1038.7	745.1	493.6	286.6	150.0	65.1	0.0
17.5°	1060.3	756.6	500.3	290.5	152.7	66.2	0.0
15°	1081.2	767.0	505.4	293.6	154.9	67.2	0.0
12.5°	1098.3	776.4	508.9	295.5	156.7	68.1	0.0
10°	1111.4	784.1	510.7	296.3	158.0	68.8	0.0
7.5°	1120.8	789.8	510.7	296.0	158.9	69.4	0.0
5°	1126.3	792.5	508.8	294.7	159.3	69.8	0.0
2.5°	1127.7	792.1	505.2	292.4	159.3	70.1	0.0
0°	1125.0	788.5	499.8	289.2	158.9	70.2	0.0
-2.5°	1102.9	777.4	496.3	288.7	158.6	70.2	0.0
-5°	1076.9	763.5	491.1	287.3	157.9	70.1	0.0
-7.5°	1047.3	747.0	484.4	285.2	156.8	69.9	0.0
-10°	1015.3	728.3	476.2	282.1	155.3	69.5	0.0
-12.5°	983.8	708.4	466.6	278.3	153.5	68.9	0.0
-15°	949.6	687.7	456.1	273.5	151.2	68.2	0.0
-17.5°	913.3	666.2	445.4	268.0	148.6	67.4	0.0
-20°	878.0	644.3	433.3	261.6	145.6	66.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	848.4	621.3	419.7	254.4	142.3	65.4	0.0
-25°	818.7	600.9	404.7	246.4	138.5	64.2	0.0
-27.5°	787.6	580.6	388.2	237.7	134.5	62.8	0.0
-30°	757.2	558.9	370.7	228.3	130.1	61.4	0.0
-32.5°	730.2	535.7	354.8	218.2	125.3	59.8	0.0
-35°	699.9	511.3	337.9	207.5	120.2	58.1	0.0
-37.5°	668.0	486.6	321.6	197.0	115.3	56.3	0.0
-40°	635.6	461.9	307.9	188.4	111.4	54.5	0.0
-42.5°	600.4	435.4	292.8	179.8	107.6	52.6	0.0
-45°	563.0	406.9	276.5	171.4	103.6	50.5	0.0
-47.5°	523.7	376.6	259.0	162.5	99.5	48.3	0.0
-50°	486.0	344.7	240.0	153.1	95.4	46.1	0.0
-52.5°	447.3	320.0	220.0	143.1	91.3	43.7	0.0
-55°	407.0	295.5	204.5	132.6	87.1	41.3	0.0
-57.5°	363.2	270.0	189.9	121.6	82.8	38.7	0.0
-60°	328.8	243.5	174.8	114.6	78.5	36.1	0.0
-62.5°	294.7	220.7	159.3	107.6	74.2	33.3	0.0
-65°	260.7	201.2	143.4	100.2	69.8	30.6	0.0
-67.5°	231.4	181.2	129.1	92.5	64.5	27.7	0.0
-70°	205.5	160.7	116.3	84.4	58.0	24.8	0.0
-72.5°	179.0	140.5	102.9	76.0	51.2	21.8	0.0
-75°	152.7	120.6	88.9	67.0	44.2	18.8	0.0
-77.5°	128.3	99.9	74.5	56.0	37.1	15.7	0.0
-80°	103.7	78.8	59.8	44.9	29.9	12.6	0.0
-82.5°	78.8	58.8	44.9	33.8	22.5	9.5	0.0
-85°	52.8	39.3	30.0	22.6	15.0	6.3	0.0
-87.5°	26.5	19.7	15.0	11.3	7.5	3.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)